

BIPN 102

HUMAN PHYSIOLOGY II

Winter 2015

MWF 4:00-4:50 pm,

WARREN LECTURE HALL 2005

INSTRUCTOR: P. A. George Fortes

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TEXTS: Human Physiology, 5th or 6th ed. by Silverthorn. On reserve @ Biomed Library

Respiratory Physiology, by John B. West, 8th or 9th ed. for the respiratory section. Also on reserve.

COURSE SCHEDULE

| Week: | Topic: | Reading: |
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| | | Silverthorn: West: |
| | | 6 th ed.: 5 th ed.: |
| 1 | Respiration: Ventilation | Ch. 17. Ch. 17. Ch. 1,2,7 |
| 2 | Respiration: Gas Exchange, Diffusion, Blood Flow | pp. 569-593 598-603 Ch. 3,4,5 |
| 3 | Respiration: Gas Transport | pp. 600-615 603-611 Ch. 6 |
| 4 | Respiration: Regulation | pp. 615-621 612-617 Ch. 8 |
| | FRIDAY, JANUARY 30 1st MIDTERM EXAM | 4:00 - 4:50 pm |
| 5 | Acid-Base Balance | pp. 681-690 672-680 pp. 86-90 |
| 5-8 | Digestive System | Ch. 21 Ch.21 |
| 9 | Energy Balance and Metabolism | pp. 737-765 725-747 & 776-789 758-771 |
| | FRIDAY, FEBRUARY 27 2nd MIDTERM EXAM | 4:00 - 4:50 pm |
| 9 | Temperature Regulation & Exercise | pp. 765-770 747-752 & Ch. 25 Ch. 25 |
| 10 | Reproduction & Development | pp. 851-874 829-851 |
| 10 | Sexual Physiology | pp. 874-878 851-855 |
| | FRIDAY, MARCH 20 FINAL EXAM | 3 - 6 pm |

EXAMS AND GRADES:

The grade for the course will be computed from each midterm exam (20%) and the comprehensive final exam (60%). The exams will consist of short-answer or multiple-choice questions and problems and will cover material from lectures and from the assigned readings. **The Midterm exams ARE NOT optional. No rescheduling of the Midterm or Final Exams will be allowed. No calculators allowed in exams.**

OFFICE HOURS:

Dr. Fortes will meet with students individually or in small groups immediately after class, in or outside Warren Lecture Hall 2005, or by appointment.

SECTIONS:

Discussion sections are as in the schedule of classes. Attendance to section is optional. Choose the section that fits best in your schedule, or shop around for the section you like best. The sections will start the 2nd week of the quarter and will present problems and questions to review and clarify lecture material.

WEBSITE:

A website for the course is available. The URL is: TED.ucsd.edu. Registered students may login using your ucsd e-mail login and password. The site contains important links, old exams, TA notes, graphs, etc.

ACADEMIC DISHONESTY.

Cheating will not be tolerated. If you obtain or provide information in an exam or submit an altered exam for regrading you will be reported to the Office of Academic Integrity. If found guilty it will go on your record, which may affect negatively your academic future, and you will be given a grade of F in the course.

PODCASTS: Lectures are available at podcast.ucsd.edu. This should not substitute attending lecture.